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## Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/603,703 TRANSMITTAL Filing Date June 25, 2003 **FORM** First Named Inventor COTAL et al. (to be used for all correspondence after initial filing) Art Unit 1753 **Examiner Name** DIAMOND, ALAN D. Total Number of Pages in This Submission Attorney Docket Number PD 02-0304/11881 (21797-0002) ENCLOSURES (check all that apply) After Allowance Communication to Fee Transmittal Form Drawing(s) Group Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences ☐ Petition Appeal Communication to Group Amendment / Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Change of Correspondence Address Status Letter Terminal Disclaimer Other Enclosure(s) Extension of Time Request (please identify below): Return Receipt Postcard; Request for Refund Express Abandonment Request Certificate of Mailing; Cited CD, Number of CD(s) References (1); Copy of International Search Report (13 Information Disclosure Statement pages) Certified Copy of Priority Remarks Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm McNees Wallace & Nurick LLC Carmen Santa Maria, Attorney Reg. No. 33,453 Individual name Signature rmen Date May 16, 2005 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name Kimberly A. Newell Signature Date May 16, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Application No.: 10/603,703 Atty. Docket No. PD 02-0304/11881 (21797-0002) IN THE UNITED STATES PATENT AND TRADEMARK OFFICE COTAL et al. licant: Group Art Unit: 1753 Application No.: 10/603,703 DIAMOND, ALAN D. Examiner: Filed: June 25, 2003 Atty. Docket No. PD 02-0304/11881 (21797-0002) For: SOLAR CELL WITH AN ELECTRICALLY INSULATING LAYER UNDER THE BUSBAR **Commissioner for Patents** P.O. Box 1450 Alexandria, VA 22313-1450 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT SIR: The following are included with this Information Disclosure Statement:  $\boxtimes$ PTO/SB/08 X **B. CERTIFICATION** (37 C.F.R. 1.97(c)-before final Office Action or allowance) **C. \$180.00 FEE PAYMENT** (37 C.F.R. 1.97(c)-before final Office Action or allowance) D. \$180.00 PETITION, CERTIFICATION & PETITION FEE **PAYMENT** (37 C.F.R.1.97(d)-before issue fee payment) The following are submitted in the above-identified application in

compliance with 37 CFR 1.98:

- I. A copy of each listed U.S. Patent and U.S. Patent application publication [1.98(a)(2)(i)].
- II. A copy of each listed foreign patent and/or published foreign patent application. For each listed foreign patent and/or published foreign patent application [1.98(a)(2)]:

Application No.: 10/603,703 Atty. Docket No. PD 02-0304/11881 (21797-0002)  $\boxtimes$ a) the English language version or an English translation if not published in English, if available (see PTO-1449)[1.98(a)(3)]: and/or П U.S. counterpart patents or English language equivalents of b) the foreign patents or published foreign patent applications (see PTO-1449); and/or a concise explanation of the relevance of the listed patents,  $\boxtimes$ c) publications or other information (see PTO-1449, foreign search report or other, attached), as it is presently understood by the person signing this disclosure, since no English translation is currently available[1.98(a)(3)]. III. A copy of each listed publication, other than published foreign applications. For each listed publication [1.98(a)(2)]: an English translation, if available, when the original publication is not in the English language (see PTO-1449)[1.98(a)(3)]; (b) a concise explanation of the listed publications (see PTO-1449), as it is presently understood by the person signing this disclosure, since no English translation is currently available [1.98(a)(3)]. П IV. For any other listed information, a copy of the information or that portion which caused it to be listed (see PTO-1449)[1.98(a)(2)(iii)].  $\Box$ ٧. Each listed U.S. Patent, Publication or other information that was previously cited by or submitted to the Office in a prior application, which application is relied upon for an earlier filing date under 35 U.S.C.§ 120 [1.98(d)].  $\boxtimes$ VI. Copies of each listed U.S. Patent and U.S. Patent application publication are not being submitted herewith pursuant to a waiver of 37 CFR 1.98(a)(2)(i) by the USPTO on July 11, 2003 for applications

filed after June 30, 2003.

This information is submitted in the above-identified application in compliance with 37 C.F.R.1.97 because:

$\boxtimes$	1.	This information disclosure is submitted within three months of the filing
		date of the application, or before the mailing date of the first office action
		on the merits of the application [1.97(b)].

This information disclosure is submitted before the mailing date of a final action in this application under 1.113[1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below).

П 3. This information disclosure is submitted before the mailing date of a notice of allowance under 1.311 [1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below). This information disclosure is submitted after the mailing date of a final 4. action under 1.113 [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below). П 5. This information disclosure is submitted after the mailing date of a notice of allowance under 1.311, but before the payment of the issue fee [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below). 6. This information disclosure statement is submitted with the statement required for items 2, 3, 4 or 5 above [1.97(c), (d), (e)]:  $\boxtimes$ I, Carmen Santa Maria, hereby state the following:  $\boxtimes$ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this information disclosure was known to any individual designated in 1.56(c) more than three months prior to the filing of this information disclosure statement.

This information disclosure statement is submitted with the fee of \$180 set forth in 1.17(p) [see items 2 and 3 above]. Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059. (Please note, no fee is required for items 2 and 3 above if the Item

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7.

Atty. Docket No. PD 02-0304/11881 (21797-0002)

6 statement is provided).

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Please charge this fee and any other fees associated with this application to 8.

Deposit Account No. 50-1059.

Respectfully submitted,

Dated: May 16, 2005

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PTO/SB/08a (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 Complete if Known

 Application Number
 10/603,703

 Filing Date
 June 25, 2003

 First Named Inventor
 COTAL et al.

 Art Unit
 1753

 Examiner Name
 DIAMOND, ALAN D.

 Attorney Docket Number
 PD 02-0304/11881 (21797-0002)

(Use as many sheets as necessary)
Sheet 1 of 1

Substitute for form 1449A/PTO

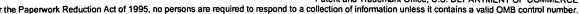
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Examiner Initials *	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Α	US- 5,096,505	03-17-1992	FRAAS et al.	rigures Appear
	В	US- 4,590,327	05-20-1986	NATH et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ*
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Date MM-DD-YYYY	Applicant of Cited Document		
	1	JP 9-116179	05-02-1997	Sanyo Electric Co. Ltd.		
<u> </u>						

Examiner Signature	Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08
Cited Foreign Reference (1)
PCT International Search Report and related documents (13 pages)

Attorney Docket No.: PD 02-0304/11881 (21797-0002)

Application No.: 10/603,703 Filed: June 25, 2003

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